

Electronic Filing System (EFS) Data

Electronic Patent Application Submission

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EFS ID:	20186
Application ID:	10065819
Title of Invention:	Method and System for Optimizing Data Searches in Tree Structures
First Named Inventor:	SANTOSH GAUR
Domestic/Foreign Application:	Domestic Application
Filing Date:	null
Effective Receipt Date:	2002-11-22
Submission Type:	Utility Patent Filing
Filing Type:	new-utility
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Attorney Docket Number:	RPS920020018
Digital Certificate Holder:	cn=Scott Warner Reid, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest:	cgblohTsmMpjox9eiWYDbA==
Total Fees Authorized:	\$948.0
Payment Category:	DA - Deposit Account
Deposit Account Number:	500563
Deposit Account Name:	SCOTT W. REID



TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent Filing

Attorney Docket
Number:

RPS920020018

Method and System for Optimizing Data Searches in Tree Structures

First Named Inventor: SANTOSH PRASAD GAUR

SUBMITTED BY

Name:	SCOTT W REID
Registration Number:	42098
Electronic Signature Mark: Scott W. Reid /swr/	Date Signed: 20021122

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	RPS920020018US1DECPG1of3.tif
declaration	RPS920020018US1DECPG2of3.tif
declaration	RPS920020018US1DECPG3of3.tif
bibd-transmittal	RPS920020018US1apds.xml

fee-transmittal
us-information-disclosure-statement
specification
patent-assignments

RPS920020018US1fee.xml
RPS920020018US1ids.xml
RPS920020018US1APPLICATION.xml
RPS920020018US1asgn.xml

Attached Image File(s):

RPS920020018US1DECPG1of3.tif
RPS920020018US1DECPG2of3.tif
RPS920020018US1DECPG3of3.tif

Comments:

An IDS citing the patent art filed herewith and non-patent art will be filed by first class mail with copies of the non-patent art provided only.

PATENT**DECLARATION AND POWER OF ATTORNEY FOR
PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR OPTIMIZING DATA SEARCHES IN TREE STRUCTURES

the specification of which is identified by the attorney (IBM) docket number below:

XXX under Attorney's Docket Number RPS920020018US1
 _____ as Application Serial No. _____
 _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

I hereby claim the benefit of foreign priority under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application the priority of which is claimed:

Prior Foreign Application(s):			Priority Claimed
_____	_____	_____	Yes _____ No _____
(Number)	(Country)	(Filing Date)	

I hereby claim the benefit of United States priority under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____	_____	_____
(Application Serial #)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint all attorneys and/or agents associated with **CUSTOMER NO.: 25299**; and the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Carlos Munoz-Bustamante	Reg. No. 51,349
Joscelyn G. Cockburn	Reg. No. 27,069
John D. Flynn	Reg. No. 35,137
George E. Grosser	Reg. No. 25,629
Daniel E. McConnell	Reg. No. 20,360
Martin J. McKinley	Reg. No. 31,782
Scott W. Reid	Reg. No. 42,098
J. Bruce Schelkopf	Reg. No. 43,901

Send correspondence to **SCOTT W REID**, at **CUSTOMER NO. 25299** and direct all telephone calls to **SCOTT W REID** at (919) 254-1085.

FULL NAME OF FIRST INVENTOR: **SANTOSH PRASAD GAUR**

INVENTOR'S SIGNATURE: Santosh Prasad Gaur

DATE: 11/21/02

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CITIZENSHIP: USA

POST OFFICE ADDRESS: same as residence

FULL NAME OF SECOND INVENTOR: **WILLIAM ERIC HALL**

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: 8 White Oak Drive; Clinton, Connecticut 06413

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INVENTOR'S SIGNATURE:  _____ **DATE:** 11/11/02

RESIDENCE: 8 White Oak Drive; Clinton, Connecticut 06413

CITIZENSHIP: USA

POST OFFICE ADDRESS: same as residence

$$y = \begin{pmatrix} y_1 \\ y_2 \\ y_3 \\ y_4 \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \end{pmatrix} \quad \text{and} \quad \tilde{y} = \begin{pmatrix} \tilde{y}_1 \\ \tilde{y}_2 \\ \tilde{y}_3 \\ \tilde{y}_4 \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \end{pmatrix} \quad \text{and} \quad \tilde{y} = \begin{pmatrix} \tilde{y}_1 \\ \tilde{y}_2 \\ \tilde{y}_3 \\ \tilde{y}_4 \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \end{pmatrix}$$

Stylesheet Version: 1.0

Large Entity

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. Finally, the fifth step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement or further action.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Authorized Name: SCOTT W. REID
Electronic Signature Mark: Scott W. Reid /swr/
Date Signed: 20021122

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 17	1202	\$ 18	0	\$ 0
Independent Claims: 5	1201	\$ 84	2	\$ 168

[illegible]

Subtotal For Extra Claims Fees: \$ 168

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40